

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Paul N. Winberg, et al

IMPROVED SYSTEM AND
METHOD FOR DIGITAL FILM
DEVELOPMENT USING VISIBLE
LIGHT

Serial No. To Be Assigned

Filed Herewith

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Group Art Unit: To Be Assigned

Examiner: Unknown

Express Mail Label No. EV 293531199 US

March 10, 2004
Date

Continuation of USSN 10/197,620 filed
7/16/2002

Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. A full text copy of each document is attached, except for copies of U.S. patents and U.S. patent application publications. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.


This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

- III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):
- ☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.
- IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):
- ☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

PTO-1449 filed with parent application.

Respectfully submitted,


Attorney for Applicants
Registration No. 33,324

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Facsimile: 585-477-1148
Enclosures

FORM PTO-1449		ATTY. DOCKET	86461	SERIAL NO.	10/197,620
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION		APPLICANT	Winberg et al.		
DISCLOSURE STATEMENT		FILING DATE	7/16/2002	GROUP	2851
		FOR:			

UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		2	4	0	4	1	3	8	Oct. 6, 1941	Mayer, A.L.	95	94
		3	5	2	0	6	8	9	Jul. 14, 1970	Nagae et al.	96	55
		3	5	2	0	6	9	0	Jul. 14, 1970	Nagae et al.	96	55
		3	5	8	7	4	3	5	Jun. 28, 1971	Chioffe	95	89
		3	6	1	5	4	7	9	Oct. 26, 1971	Kohler et al.	96	48
		3	6	1	5	4	9	8	Oct. 26, 1971	Aral	96	55
		3	6	1	7	2	8	2	Nov. 2, 1971	Bard	96	59
		3	7	4	7	1	2	0	Jul 17, 1973	Stemme	346	75
		3	9	0	3	5	4	1	Sep. 2, 1975	Von Meister et al.	354	317
		3	9	4	6	3	9	8	Mar 23, 1976	Kyser et al.	346	1
		3	9	5	9	0	4	8	May 25, 1976	Stanfield et al.	156	94
		4	0	2	6	7	5	6	May 31, 1977	Stanfield et al.	156	554
		4	0	8	1	5	7	7	Mar. 28, 1978	Horner	427	424
		4	1	4	2	1	0	7	Feb. 27, 1979	Hatzakis et al.	250	571
		4	2	1	5	9	2	7	Aug. 5, 1980	Grant et al.	354	317
		4	2	4	9	9	8	5	Feb. 10, 1981	Stanfield	156	554
		4	3	0	1	4	6	9	Nov. 17, 1981	Modeen et al.	358	75
		4	4	9	0	7	2	9	Dec. 25, 1984	Clark et al.	346	75
		4	5	0	1	4	8	0	Feb. 26, 1985	Matsui et al.	354	298

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
		WO 90/01240							Feb. 8, 1990	PCT	H04N	1/40
		WO 91/09493							Jun. 27, 1991	PCT	H04N	5/217
		WO 97/25652							Jul. 17, 1997	PCT	G03D	5/00
		WO 98/19216							May 7, 1998	PCT	G03C	5/29
		WO 98/25399							Jun. 11, 1998	PCT	H04N	1/38
		WO 98/31142							Jul. 16, 1998	PCT	H04N	5/253
		WO 93/34157							Aug. 6, 1998	PCT	G03D	

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

		"Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images", Doyle, M., et al., 8306 Magnetic Resonance in Medicine 31, No. 5, Baltimore, MD, May, pp. 546-550, 1994.										
		"Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement", Aich, T., et al., Philips GmbH Research Laboratories, IEEE, pp. 335-338, 1996.										
		"Adaptive-neighborhood filtering of images corrupted by signal-dependent noise", Rangayyan, R., et al., Applied Optics, Vol. 37, No. 20, pp. 4477-4487, July 10, 1998.										
		"Grayscale Characteristics", The Nature of Color Images, Photographic Negatives, pp. 163-168.										
		"Parallel Production of Oligonucleotide Arrays Using Membranes and Reagent Jet Printing", Stimpson, D., et al., Research Reports, BioTechniques, Vol. 25, No. 5, pp. 886-890, 1998.										
		"Low-Cost Display Assembly and Interconnect Using Ink-Jet Printing Technology", Hayes, D. et al., Display Works '99, MicroFab Technologies, Inc., pp. 1-4, 1999.										
		"Ink-Jet Based Fluid Microdispensing in Biochemical Applications", Wallace, D., MicroFab Technologies, Inc., Laboratory Automation News, Vol. 1, No. 5, pp. 6-9, Nov., 1996.										

EXAMINER

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LIST OF PATENTS AND PUBLICATIONS		APPLICANT	Winberg et al.		
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UNITED STATES LETTERS PATENT

		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		4	5	6	4	2	8	0	Jan. 14, 1986	Fukuda	354	317
		4	5	9	4	5	9	8	Jun. 10, 1986	Iwagami	346	140
		4	6	2	1	0	3	7	Nov. 4, 1986	Kanda et al.	430	30
		4	6	2	3	2	3	6	Nov. 18, 1986	Stella	354	318
		4	6	3	6	8	0	8	Jan. 13, 1987	Herron	346	75
		4	6	6	6	3	0	7	May 19, 1987	Matsumoto et al.	356	404
		4	6	7	0	7	7	9	Jun 2, 1987	Nagano	358	75
		4	7	3	6	2	2	1	Apr. 5, 1988	Shidara	354	317
		4	7	4	5	0	4	0	May 17, 1988	Levine	430	21
		4	7	5	5	8	4	4	Jul. 5, 1988	Tsuchiya et al.	354	317
		4	7	7	7	1	0	2	Oct. 11, 1988	Levine	430	21
		4	7	9	6	0	6	1	Jan. 3, 1989	Ikeda et al.	355	73
		4	8	1	4	6	3	0	Mar. 21, 1989	Lim	250	578
		4	8	2	1	1	1	4	Apr. 11, 1989	Gebhardt	358	75
		4	8	4	5	5	5	1	Jul. 4, 1989	Matsumoto	358	80
		4	8	5	1	3	1	1	Jul. 25, 1989	Millis et al.	430	30
		4	8	5	7	4	3	0	Aug. 15, 1989	Millis et al.	430	30
		4	8	7	5	0	6	7	Oct. 17, 1989	Kanzaki et al.	354	325
		4	9	6	9	0	4	5	Nov. 6, 1990	Haruki et al.	358	228

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
		WO 98/34397							Aug. 6, 1998	PCT	H04N	
		WO 99/43148							Aug. 26, 1999	PCT	H04N	1/00
		WO 01/01197							Jan. 4, 2001	PCT	G03D	5/00
		WO 01/13174 A1							Feb. 22, 2001	PCT	G03D	5/06
		EP 0 261 782 A2							Aug. 14, 1987	Europe	H04N	1/46
		EP 0 422 220 A1							Mar. 28, 1989	Europe	A61B	6/03
		EP 0 482 790 B1							Sep. 9, 1991	Europe	H04N	1/40
		EP 0 525 886 A3							Jul. 21, 1992	Europe	G03D	5/00
		EP 0 580 293 A1							Jun. 22, 1993	Europe	H04N	1/04
		EP 0 669 753 A2							Feb. 24, 1995	Europe	H04N	1/407

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

		"Protorealistic Ink-Jet Printing Through Dynamic Spot Size Control", Wallace, D., Journal of Imaging Science and Technology, Vol. 40, No. 5, pp. 390-395, Sept/Oct. 1996.
		"MicroJet Printing of Solder and Polymers for Multi-Chip Modules and Chip-Scale Package", Hayes, D., et al., MicroFab Technologies, Inc.
		"A Method of Characterisitics Model of a Drop-on-Demand Ink-Jet Device Using an Integral Method Drop Formation Model", Wallace, D., MicroFab Technologies, Inc., The American Society of Mechanical Engineers, Winter Annual Meeting, pp. 1-9, Dec. 10-15, 1989.
		"Digital Imaging Equipment White Papers", Putting Damaged Film on ICE, www.nikonusa.com/reference/whitepapers/imaging , Nikon Corporation, Nov. 28, 2000.

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		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
		5	3	9	1	4	4	3	Feb. 21, 1995	Simons et al.	430	21
		5	4	1	4	7	7	9	May 9, 1995	Mitch	382	199
		5	4	1	6	5	5	0	May 16, 1995	Skye et al.	354	298
		5	4	1	8	1	1	9	May 23, 1995	Simons	430	507
		5	4	1	8	5	9	7	May 23, 1995	Lahcanski et al.	355	76
		5	4	3	2	5	7	9	Jul. 11, 1995	Tokuda	354	293
		5	4	3	6	7	3	8	Jul. 25, 1995	Manico	358	503
		5	4	4	0	3	6	5	Aug. 8, 1995	Gates et al.	354	298
		5	4	4	7	8	1	1	Sep. 5, 1995	Buhr et al.	430	20
		5	4	4	8	3	8	0	Sep. 5, 1995	Park	358	520
		5	4	5	2	0	1	8	Sep. 19, 1995	Capitant et al.	348	651
		5	4	6	5	1	5	5	Nov. 7, 1995	Edgar	358	500
		5	5	1	6	6	0	8	May 14, 1996	Hobbs et al.	430	30
		5	5	4	6	4	7	7	Aug. 13, 1996	Knowles et al.	382	242
		5	4	9	6	6	6	9	Mar. 5, 1996	Pforr et al.	430	22
		5	5	5	0	5	6	6	Aug. 27, 1996	Hodgson et al.	345	202
		5	5	1	9	5	1	0	May 21, 1996	Edgar	358	471
		5	5	5	2	9	0	4	Sep. 3, 1996	Ryoo et al.	358	518
		5	5	6	3	7	1	7	Oct. 8, 1996	Koeng et al.	358	406

FOREIGN PATENT DOCUMENTS

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		5	5	6	8	2	7	0	Oct. 22, 1996	Endo	358	298
		5	5	7	6	8	3	6	Nov. 19, 1996	Sano et al.	358	302
		5	5	8	1	3	7	6	Dec. 3, 1996	Harrington	358	518
		5	5	9	6	4	1	5	Jan. 21, 1997	Cosgrove et al.	358	296
		5	6	2	7	0	1	6	May 6, 1997	Manico	430	434
		5	6	6	4	2	5	3	Sep. 2, 1997	Mevers	396	603
		5	6	6	4	2	5	5	Sep. 2, 1997	Wen	396	627
		5	6	6	7	9	4	4	Sep. 16, 1997	Reem et al.	430	359
		5	6	7	8	1	1	6	Oct. 14, 1997	Sugimoto et al.	396	611
		5	6	9	1	1	1	8	Nov. 25, 1997	Haye	430	357
		5	6	9	5	9	1	4	Dec. 9, 1997	Simon et al.	430	379
		5	6	9	8	3	8	2	Dec. 16, 1997	Nakahanada et al.	430	418
		5	7	2	6	7	7	3	Mar. 10, 1998	Mehlo et al.	358	474
		5	7	3	9	8	9	7	Apr. 14, 1998	Frick et al.	355	40
		5	7	7	1	1	0	7	Jun. 23, 1998	Fujimoto et al.	358	464
		5	7	9	0	2	7	7	Aug. 4, 1998	Edgar	358	487
		5	8	3	5	8	1	1	Nov. 10, 1998	Tsumura	396	598
		5	8	7	0	1	7	2	Feb. 9, 1999	Blume	355	27
		5	8	8	0	8	1	9	Mar. 9, 1999	Tanaka et. Al.	355	75
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		5	8	9	2	5	9	5	Apr. 6, 1999	Yamakawa et al.	358	530					
		5	9	3	0	3	8	8	Jul. 27, 1999	Murakami et al.	382	167					
		5	9	6	3	6	6	2	Oct. 5, 1999	Vachtsevanos et al.	382	150					
		5	9	6	6	4	6	5	Oct. 12, 1999	Keith et al.	382	232					
		5	9	7	9	0	1	1	Nov. 9, 1999	Miyawaki et al.	15	308					
		5	9	8	2	9	3	6	Nov. 9, 1999	Tucker et al.	382	233					
		5	9	8	2	9	3	7	Nov. 9, 1999	Accad	382	239					
		5	9	8	2	9	4	1	Nov. 9, 1999	Loveridge et al.	382	260					
		5	9	8	2	9	5	1	Nov. 9, 1999	Katayama et al.	382	284					
		5	9	8	8	8	9	6	Nov. 23, 1999	Edgar	396	604					
		5	9	9	1	4	4	4	Nov. 23, 1999	Burt et al.	382	232					
		5	9	9	8	1	0	9	Dec. 7, 1999	Hirabayashi	430	434					
		6	0	0	0	2	8	4	Dec. 14, 1999	Shin et al.	73	150					
		6	0	0	5	9	8	7	Dec. 21, 1999	Nakamura et al.	382	294					
		6	0	6	5	8	2	4	May 23, 2000	Bullock et al.	347	19					
		6	0	6	9	7	1	4	May 30, 2000	Edgar	358	487					
		6	0	8	9	6	8	7	Jul. 18, 2000	Helterline	347	7					
		6	1	0	1	2	7	3	Aug. 8, 2000	Matama	382	169					
		6	1	0	2	5	0	8	Aug. 15, 2000	Cowger	347	7					
		6	1	3	7	9	6	5	Oct. 24, 2000	Burgeios et al.	396	626					
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		3	8	3	3	1	6	1	Sep. 3, 1974	Krumbein	226	92
		4	2	6	5	5	4	5	May 5, 1981	Slaker	356	431
		4	6	3	3	3	0	0	Dec. 30, 1986	Sakai	358	41
		4	7	4	1	6	2	1	May 3, 1988	Taft et al.	356	376
		5	0	2	7	1	4	6	Jun. 25, 1991	Manico et al.	354	299
		5	2	0	0	8	1	7	Apr. 6, 1993	Birnbaum	358	80
		5	3	3	4	2	4	7	Aug. 2, 1994	Columbus et al.	118	411
		5	4	7	7	3	4	5	Dec. 19, 1995	Tse	358	500
		5	5	8	7	7	5	2	Dec. 24, 1996	Petruchik	396	315
		5	6	2	7	0	1	6	May 6, 1997	Manico	430	434
		5	6	4	9	2	6	0	Jul. 15, 1997	Wheeler et al.	396	569
		5	8	3	5	7	9	5	Nov. 10, 1998	Craig et al.	396	6
		5	9	5	9	7	2	0	Sep. 28, 1999	Kwon et al.	355	38
		6	0	8	8	0	8	4	Jul. 11, 2000	Nishio	355	75
		6	2	0	0	7	3	8	Mar. 13, 2001	Takano et al.	430	362
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		WO 98/25399						Jun. 11, 1998	PCT	H04N	1/38	
		WO 98/34157						Aug. 6, 1998	PCT	G03D		
		WO 99/43149						Aug. 26, 1999	PCT	H04N	1/100	
		WO 01/45042 A1						Jun. 21, 2001	PCT	G06T	5/00	
		WO 01/50192 A1						Jul. 12, 2001	PCT	G03C	7/407	
		WO 01/50193 A1						Jul. 12, 2001	PCT	G03C	7/407	
		WO 01/50194 A1						Jul. 12, 2001	PCT	G03C	7/407	
		WO 01/50197 A1						Jul. 12, 2001	PCT	G03C	7/42	
		WO 01/52556 A2						Jul. 19, 2001	PCT	H04N	9/11	
		EP 0 580 293 A1						Jan. 26, 1994	Europe	H04N	1/04	
		EP 0 601 364 A1						Jun. 15, 1994	Europe	H04N	1/387	
		EP 0 768 571 A2						Apr. 16, 1997	Europe	G03D	13/00	
		EP 0 806 861 A1						Nov. 12, 1997	Europe	H04N	1/00	
		EP 0 878 777 A2						Nov. 18, 1998	Europe	G06T	5/40	
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